
LD 29: Memory Management

Overlay program 29 is used to determine the following:

- determine the amount of unused memory
- determine if sufficient memory is available to accommodate substantial amounts of new data to be added
- respond to messages SCH601 and SCH603 on SL-1 XN & XL

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request
MSG	x...x	SCH Message (x...x = 601 or 603 xx)
NEW DATA PLANNED?	(NO) YES	New data to be added in this program?
TYNM	aaa xx	Type and Number (TYNM responses begin on page 662)
OPT	aaaa	Option (aaaa = FULL or FREE)
MAP	a...a	Active Map or Data Dump (a...a = ACT or DUMP)
DISPLAY NEW MAP?	(NO) YES	Display new map
SAVE NEW MAP?	(NO) YES	Save new map
PWD2	xxxx	Password 2
CHANGE MAP?	(NO) YES	Change Map
CMD	a...a	Command (a...a = ASGN or CHK)
PGMM	xxx yy	Page/Memory Module
PGBY	xxx yyyy	Page/Bytes

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
CHANGE MAP?	(NO) YES	Change map Prompted when SAVE NEW MAP? = NO or automatic map generator fails (message MEM150)	basic-1
CMD	ASGN CHK	Command Assign logical page and memory number Check memory map	basic-1
DISPLAY NEW MAP?	(NO) YES	Display new map Prompted when a new map has been created	basic-1
MAP	ACT DUMP	Map Active map Data dump Prompted when REQ = PRT	basic-1
MSG	601 603 xx	SCH Message. Prompted when REQ = SCH. Enter 601 when SCH message is 601 Enter 603 followed by the parameters printed with the SCH603 message during an attempt to add data.	basic-1
NEW DATA PLANNED?	(NO) YES	New data to be added in this program? Prompted when REQ = SCH	basic-1
OPT	FULL FREE	Option Full map Free space only	basic-1
PGBY	xxx yyyy	Page/Bytes (used to define logical page size). Where: • xxx = Logical Page number (0-254, 256-510) • yyyy = size (1-65535) Prompted only if CMD = ASGN.	basic-1

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Prompt	Response	Comment	Pack/Rel
PGMM	xxx yy	Page/Memory Module (used to determine the Memory Module on which Logical Pages will reside or to which they will be moved). Where: • xxx = Logical Page number (0-254, 256-510) • yy = Memory Module number (00, 01, 02) Prompted only if CMD = ASGN.	basic-1
PWD2	xxxx	Password 2 (Second level administration password as defined in LD 17)	basic-1
REQ		Request	basic-1
	ADD	Create a new data block	
	CHG	Change existing map (SL-1XN & XL systems only)	
	CLR	Clear map	
	PRT	Print the specified map	
	END	Exit Overlay program	
	GEN	Generate a new map. Do not use this response unless ROMs with memory extensions are in place.	
	SCH	Change map in response to error messages SCH601 and SCH603	
SAVE NEW MAP?			basic-1
	(NO) YES	Save new map Prompted when a new map has been created	
TYNM		Type and Number	basic-1
	500 1-12800	Number of new 500/2500 telephones	basic-1
	ACD 0-99 1-240 1-240	Customer number, number of ACD DN, maximum number of positions per ACD DN	bacd-1
	AGNT 1-12800	Number of Agent positions	bacd-1
	ANI xxx yyyy zzzz	Feature Group D ANI data blocks. Where: • xxx = number of NPAs (1-160) • yyyy = number of ranges of NXXs (0-9999) • zzzzz = number of ranges of XXXXs (0-30,000)	fgd-17

Prompt	Response	Comment	Pack/Rel
	APRT 1-16	Number of ACD Printers	bacd-1
	ATM 1-4096	Number of ATM routes for the system	atm-7
	ATT 1-480	Number of consoles	basic-1
	AUB 1-99 1-5000 1-14	Customer number, number of authcodes, authcode digit length	baut-1
	BGD 1-15 1-99	Number of Background Terminals in the system, and the number of customers in the system	bgd-10
	CDB 1-99	Number of new customers	basic-1
	CDL 1-16	Number of CDR links	clnk-1
	CDP 0-99 1-10000	Customer number, number of steering codes	cdp-1
	CONF xxx	Number of Conference loops	basic-1
	CPG 1-100 1-63	CPG Level services, customers and average size	
	CPND xx yy zz	Calling Party Name Display data xx = number of customers with CPND, 1-99 yy = number of CPND names per customer, 1-1000 zz = average size of name string, 5-27 characters	cpnd-10
	CRB 1-1024	Number of Code Restriction Blocks	basic-1
	DGT 1-99 xx xx	Customer number, number of digit manipulation tables, maximum average number of inserted digits	basic-1
	DIS 0-99 1-240	Customer number, number of DISA DN	disa-1
	DND 1-99 1-100 1-127	Customer number, number of DND groups, average number of numbers per group	dndg-1

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Prompt	Response	Comment	Pack/Rel
DTR 1-126	Number of Digitone Receivers		basic-1
EBLF xx yy zz	Enhanced Busy Lamp Field (Release 14 and later).Where: • xx = the number of customers (1-99) to receive the feature • yy = average number of hundreds groups per customer • zz = average DN length (4, 5, 6 or 7 digits)		basic-14
ESN xx	Number of customers with ESN (1-99)		basic-1
FCAS 1-99 xx yy zz	Customer number, number of Free Calling Area tables, maximum average number of FCAS blocks, maximum average number of different first digit of NXX codes		fca-1
FGD xxx yyy	FGD data blocks. Where: • xxx = number of FGD blocks (1-128) • yyy = average number of II entries		fgd-17
FTC 0-31	Number of Flexible Tone Control tables		ftc10
MFC xx	Number of Multifrequency Compelled Signaling cards		mfc-9
MFE xx	Number of Multifrequency Signaling for Socotel cards		mfe-10
MFR 1-99 0-126 0-126	Automatic Call Distribution routes Number of customers, average number of ACD routes per customer, average largest member number per ACD route		bacd-1
MFRR 1-255	Number of Multifrequency Receivers		fgd-17
MFSD xx	Number of MF Sender loops		basic-1

Prompt	Response	Comment	Pack/Rel
	MFT xx yy zz	Multifrequency Compelled Signaling. Where: - xx = number of MFC tables - yy = number of levels per table - zz = average number of signals per level	mfc-9
	MFET xx yy zz	Multifrequency Signaling for Socotel. Where: - xx = number of MFE tables - yy = number of levels per table - zz = average number of signals per level	mfe-10
	NACD xx yy zz	Network Automatic Call Distribution. Where: - xx = the number of NACD customers - yy = average number of source DNs - zz = average number of target ACD DNs	
	NCTL 1-99	Number of customers with NTCL	basic-1
	NET 1-99 xx yy	Customer number, number of Network Translation codes, number of LOC codes	esn-1
	RDB 1-4064 1-126	Number of Routes, average largest member number	basic-1
	REMO xx	Number of RPE loops	rpe-1
	RLB 1-99 1-256 1-32	Customer number, number of Route Lists, maximum average number of entries	basic-1
	RSA 1-99	Number of customers to get RS-ANI	ani-1
	SCL 4-31 1-1000 1-8191	DN size as defined in LD 18, list size as defined in LD 18, number of new lists	optf-1

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Prompt	Response	Comment	Pack/Rel
	SDR 1-99 xx yy	Customer number, number of Supplemental Digit Restriction blocks, maximum average number of entries	basic-1
	SL1 1-12800	Number of new SL-1 telephones	basic-1
	SUP 1-16	Number of ACD Supervisor TTY	bacd-1
	TAP 1-3	Number of new Tape units	basic-1
	TDS 1-80	Number of new TDS loops	basic-1
	TENC 1-99	Number of customers that will have Tenant Service	ten-7
	TENR 0-127	Number of routes that will be shared by Tenants	ten-7
	TENT 0-512	Number of Tenants that will have access to each other	ten-7
	TERM 1-159	Number of new Terminal loops	basic-1
	TRK 1-6400	Number of new Trunks	basic-1
	TTY 1-16	Number of new TTY	basic-1
